

## CLAIMS

1. A recording apparatus being characterized by comprising: a video-data supply means for supplying a video data;

a compression means for compressing said video data;

a setting means for setting a compression rate used in said compression means;

a control means for controlling a travel speed of a recording medium so that said recording medium should be traveled at a speed corresponding to said compression rate set by said setting means; and

a recording means for recording said video data compressed by said compression means on said recording medium.

2. A recording apparatus according to claim 1, characterized in that said control means controls a speed of said recording medium so that a value of the compression rate set by said setting means and the speed of said recording medium should be in proportion to each other.

3. A recording apparatus according to claim 2, characterized in that said control means controls the speed of said recording medium so that, when the compression rate set by said setting means is an inverse number of  $N$  (where  $N > 1$ ), the speed of said recording medium should be set to a speed multiplied by an inverse number of  $N$ .

4. A recording apparatus according to claim 1, characterized in that said recording means records a compression rate data indicating said video-data compression rate at said compression means on said recording medium.

5. A recording apparatus according to claim 1, characterized in that said recording means records a compression rate data indicating a compression rate of said video data at said recording means on said recording medium.

6. A recording apparatus according to claim 1, characterized in that said recording means records a source ID data indicating said video data on said recording medium.

7. A recording apparatus according to claim 1, characterized in that said video-data supply means supplies a plurality of video data and said recording means records said plurality of video data compressed by said compression means on respective channels of said recording medium.

8. In a reproducing apparatus for reproducing a video data from a recording medium on which said video data and a travel-speed data indicating a travel speed of a recording medium obtained when said video data is recorded thereon are recorded,

said reproducing apparatus being characterized by

comprising: a reproducing means for reproducing said video data and said travel-speed data from said recording medium;

a control means for controlling a travel speed of said recording medium so that said recording medium should be traveled at a travel speed corresponding to said reproduced travel-speed data; and

an expanding means for expanding said reproduced video data at an expansion rate corresponding to said travel speed data.

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